

PURIFICATION OF MONOGLYCERIDE

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Abstract of JP61166399

PURPOSE: A solution containing monoglyceride is treated with a nonpolar synthetic adsorption resin and eluted with an organic solvent to enable the separation of monoglyceride from an enzymatic hydrolyzate of natural oil with easy regeneration of the adsorption resin through the process suitable for food products.

CONSTITUTION: A solution containing monoglyceride is brought into contact with a nonpolar synthetic adsorption resin to effect selective adsorption of monoglyceride on the adsorption resin. Then, the resin is brought into contact with an organic solvent to effect the elution of the monoglyceride. The organic solvent is preferably an ethanol-water system containing 5-50vol% of water. The nonpolar synthetic adsorption resin is preferably made of a styrene-divinylbenzene copolymer. The regeneration of the adsorption resin is easily carried out by rinsing it with a nonpolar solvent such as n-hexane, a methanol-1N aqueous sodium hydroxide mixture and an acidic solution such as hydrochloric acid or sulfuric acid solution.

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